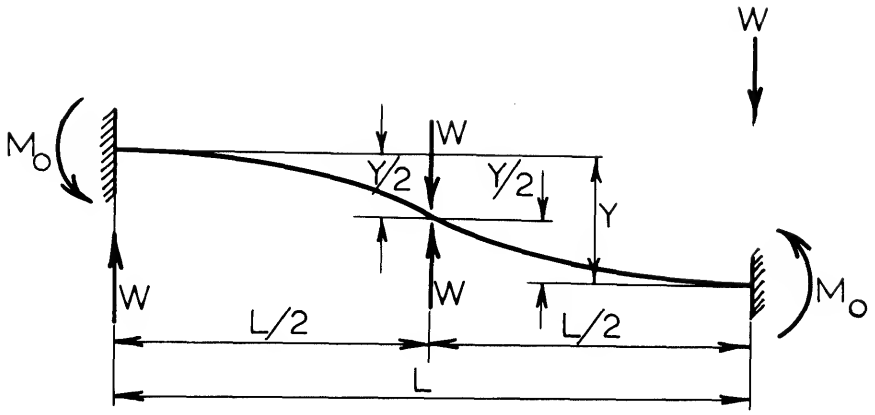

Fig. 23.2 Double cantilever or a beam with sinking support.

clevis arms against a rigid insert. Each arm then behaves as a double cantilever beam, illustrated in Fig. 23.2.

The maximum bending stress can be obtained directly with the aid of Eq. (23.2)

$$S_b = \frac{3WL}{BH^2} \tag{23.3}$$

The corresponding pull-up deflection follows from Eq. (23.1)

$$Y = \frac{WL^3}{EBH^3} \tag{23.4}$$

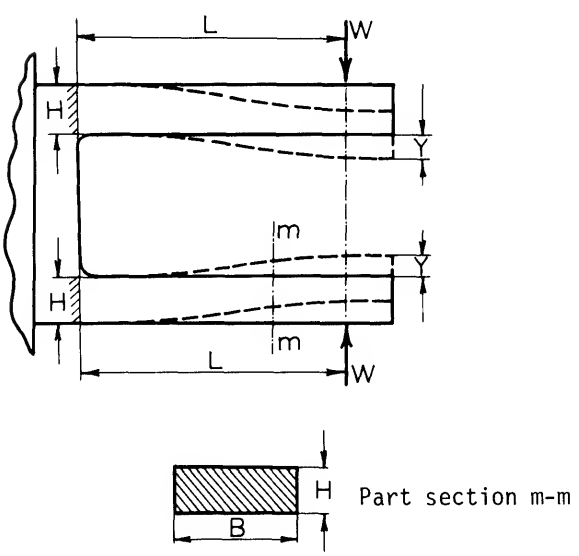

Fig. 23.3 Single-pin clevis design.